# SUBJECT INDEX

**Admixtures**

Use of Pulverized Fuel Ash in Trench Backfill, G. S. Ghataora, I. M. Alobaidi and J. Billam, MT Aug. 00, p228-237.

**Aggregates**

Flat and Elongated Aggregates in Superpave Regime, Paul K. Oduroh, Kamyar C. Mahboub, P.E. and R. Michael Anderson, P.E., MT May 00, p124-130.

Mechanical Properties of Fired Clay-Perlite as Composite Material, Leyla Tanaçan and Halit Yaşa Ersoy, MT Feb. 00, p55-59.

Uniaxial Experiments on Idealized Asphalt Mixes, V. S. Deshpande and D. Cebon, MT Aug. 00, p262-271.

**Aging**

Role of Interfaces in Controlling Durability of Fiber-Reinforced Cements, Arnon Bentur, MT Feb. 00, p2-7.

**Aromatic hydrocarbons**

Microstructure of Composite Material from High-Lime Fly Ash and RPET, David J. White, MT Feb. 00, p60-65.

**ASCE Committees**

Editorial, Antonio Nanni, MT Aug. 00, p187.

**ASCE Publications**

Editorial, Antonio Nanni, MT Aug. 00, p187.

**Ashes**

Applications for PFBC Residues, Jan Rogbeck and Lynne Anderson, MT Nov. 00, p294-301.

Use of Papermaking Sludge as New Material, Hiroji Ishimoto, Takeshi Origuchi and Masahiro Yasuda, MT Nov. 00, p310-313.

Use of Pulverized Fuel Ash in Trench Backfill, G. S. Ghataora, I. M. Alobaidi and J. Billam, MT Aug. 00, p228-237.

**Asphalt mix design**

Uniaxial Experiments on Idealized Asphalt Mixes, V. S. Deshpande and D. Cebon, MT Aug. 00, p262-271.

Volumetric and Mechanical Performance Properties of Superpave Mixtures, Jian-Neng Wang, Thomas W. Kennedy and Robert B. McGennis, MT Aug. 00, p238-244.

**Asphalt pavements**

Flat and Elongated Aggregates in Superpave Regime, Paul K. Oduroh, Kamyar C. Mahboub, P.E. and R. Michael Anderson, P.E., MT May 00, p124-130.

**Asphaltic concrete**

Continuum Damage Mechanics-Based Fatigue Model of Asphalt Concrete, Hyun-Jong Lee, Jo Sias Daniel and Y. Richard Kim, MT May 00, p105-112.

**Asphalts**

Composite Asphalt Binders: Effect of Modified RPE on Asphalt, A. A. Yousefi, A. Ait-Kadi and C. Roy, MT May 00, p113-123.

**Backfills**

Use of Pulverized Fuel Ash in Trench Backfill, G. S. Ghataora, I. M. Alobaidi and J. Billam, MT Aug. 00, p228-237.

**Beams**

Flexural Strength and Behavior of Babadua-Reinforced Concrete Beams, Charles K. Kankam and Brigitte Odum-Ewuakye, MT Feb. 00, p39-45.

**Bending**

Shear Strength in Structural Composite Lumber, Frank Lam and Bruce A. Craig, MT Aug. 00, p196-204.

**Binders, materials**

Stabilization of Clay with Inorganic By-Products, Heikki Kukko, MT Nov. 00, p307-309.

**Bonding**

Role of Interfaces in Controlling Durability of Fiber-Reinforced Cements, Arnon Bentur, MT Feb. 00, p2-7.

Shear Tests of Steel Plates Epoxy-Bonded to Concrete under Temperature, António J. B. Tadeu and Fernando J. F. G. Branco, MT Feb. 00, p74-80.

**Bricks**

Calcium Silicate Products with Crushed Building and Demolition Waste, H. M. L. Schuur, MT Nov. 00, p282-287.

**Bridges, cable-stayed**

Accelerated Corrosion and Embrittlement of High-Strength Bridge Wire, Scott Calabrese Barton, Garry W. Vermaas, Paul F. Duby, Alan C. West and Raimondo Betti, MT Feb. 00, p33-38.

**Bridges, suspension**

Accelerated Corrosion and Embrittlement of High-Strength Bridge Wire, Scott Calabrese Barton, Garry W. Vermaas, Paul F. Duby, Alan C. West and Raimondo Betti, MT Feb. 00, p33-38.

**Calcium**

Calcium Silicate Products with Crushed Building and Demolition Waste, H. M. L. Schuur, MT Nov. 00, p282-287.

**Carbon**

Compressive Behavior of Concrete Confined by Carbon Fiber Composite Jackets, Y. Xiao and H. Wu, MT May 00, p139-146.

**Carbon dioxide**

New Building Material from Waste Concrete by Carbonation, Satoshi Teramura, Norifumi Isu and Kenji Inagaki, MT Nov. 00, p288-293.

**Carbonation**

New Building Material from Waste Concrete by Carbonation, Satoshi Teramura, Norifumi Isu and Kenji Inagaki, MT Nov. 00, p288-293.

**Cast iron**

Gray Cast-Iron Water Pipe Metallurgy, J. M. Makar and B. Rajani, MT Aug. 00, p245-253.

**Cathodic protection**

CP Criteria for Reinforced Concrete in Marine Exposure Zones, Gareth K. Glass, Alaa M. Hassanein and Nick R. Buenfeld, MT May 00, p164-171.

Developments in Cathodic Protection Applied to Reinforced Concrete, Christopher L. Page and George Sergi, MT Feb. 00, p8-15.

**Cation exchange**

Use of Papermaking Sludge as New Material, Hiroji Ishimoto, Takeshi Origuchi and Masahiro Yasuda, MT Nov. 00, p310-313.

**Cements**

Applications for PFBC Residues, Jan Rogbeck and Lynne Anderson, MT Nov. 00, p294-301.

Calcium Silicate Products with Crushed Building and Demolition Waste, H. M. L. Schuur, MT Nov. 00, p282-287.

Factors Affecting Resistance of Concrete to Freezing and Thawing Damage, Osama A. Mohamed, Kevin L. Rens, P.E. and Judith J. Stalnaker, P.E., MT Feb. 00, p26-32.

Guest Editorial, Toshiyuki Hashida and Takeshi Mitsuda, MT Nov. 00, p281.

In Cement and Concrete Industry, Hiroshi Uchikawa, MT Nov. 00, p320-329.

Role of Interfaces in Controlling Durability of Fiber-Reinforced Cements, Arnon Bentur, MT Feb. 00, p2-7.

Spatial Distribution of Aligned Short Fibers in Cement Composites, Yilmaz Akkaya, Jeffrey Picka and Surendra P. Shah, MT Aug. 00, p272-279.

Stabilization of Clay with Inorganic By-Products, Heikki Kukko, MT Nov. 00, p307-309.

Tensile Stress-Strain Modeling of Pseudostrain Hardening Cementitious Composites, Tetsushi Kanda, Zhong Lin and Victor C. Li, MT May 00, p147-156.

Use of Pulverized Fuel Ash in Trench Backfill, G. S. Ghataora, I. M. Alobaidi and J. Billam, MT Aug. 00, p228-237.

**Chlorides**

CP Criteria for Reinforced Concrete in Marine Exposure Zones, Gareth K. Glass, Alaa M. Hassanein and Nick R. Buenfeld, MT May 00, p164-171.

Developments in Cathodic Protection Applied to Reinforced Concrete, Christopher L. Page and George Sergi, MT Feb. 00, p8-15.

**Clays**

Mechanical Properties of Fired Clay-Perlite as Composite Material, Leyla Tanaçan and Halit Yaşa Ersoy, MT Feb. 00, p55-59.

Stabilization of Clay with Inorganic By-Products, Heikki Kukko, MT Nov. 00, p307-309.

**Composite materials**

Composite Asphalt Binders: Effect of Modified RPE on Asphalt, A. A. Yousefi, A. Ait-Kadi and C. Roy, MT May 00, p113-123.

Compressive Behavior of Concrete Confined by Carbon Fiber Composite Jackets, Y. Xiao and H. Wu, MT May 00, p139-146.

Fatigue Model for Fiber-Reinforced Polymeric Composites, Hai C. Tang, Tinh Nguyen, Tze-jer Chuang, Joannie Chin, Jack Lesko and H. Felix Wu, MT May 00, p97-104.

Mechanical Properties of Fired Clay-Perlite as Composite Material, Leyla Tanaçan and Halit Yaşa Ersoy, MT Feb. 00, p55-59.

Microstructure of Composite Material from High-Lime Fly Ash and RPET, David J. White, MT Feb. 00, p60-65.

Shear Strength in Structural Composite Lumber, Frank Lam and Bruce A. Craig, MT Aug. 00, p196-204.

Spatial Distribution of Aligned Short Fibers in Cement Composites, Yilmaz Akkaya, Jeffrey Picka and Surendra P. Shah, MT Aug. 00, p272-279.

Tensile Stress-Strain Modeling of Pseudostrain Hardening Cementitious Composites, Tetsushi Kanda, Zhong Lin and Victor C. Li, MT May 00, p147-156.

**Compression tests**

Compressive Behavior of Concrete Confined by Carbon Fiber Composite Jackets, Y. Xiao and H. Wu, MT May 00, p139-146.

Uniaxial Experiments on Idealized Asphalt Mixes, V. S. Deshpande and D. Cebon, MT Aug. 00, p262-271.

**Compressive strength**

Mound Soil as Construction Material, Felix F. Udoeyo, Alu O. Cassidy and Sulaiman Jajere, MT Aug. 00, p205-211.

Stabilization of Clay with Inorganic By-Products, Heikki Kukko, MT Nov. 00, p307-309.

**Concrete**

Expansion of Alite Paste Caused by Gypsum Formation during Sulfate Attack, Bing Tian and Menashi D. Cohen, MT Feb. 00, p24-25.

Extent of Healing of Cracked Normal Strength Concrete, Corina-Maria Aldea, Won-Joon Song, John S. Popovics and Surendra P. Shah, MT Feb. 00, p92-96.

Ice Formation Mechanisms in Normal and High-Performance Concrete Mixtures, B. Zuber, J. Marchand, A. Delagrave and J. P. Bournazel, MT Feb. 00, p16-23.

Mound Soil as Construction Material, Felix F. Udoeyo, Alu O. Cassidy and Sulaiman Jajere, MT Aug. 00, p205-211.

New Building Material from Waste Concrete by Carbonation, Satoshi Teramura, Norifumi Isu and Kenji Inagaki, MT Nov. 00, p288-293.

Shear Tests of Steel Plates Epoxy-Bonded to Concrete under Temperature, António J. B. Tadeu and Fernando J. F. G. Branco, MT Feb. 00, p74-80.

Special Issue on Durability of Concrete and Its Constituents, J. J. Beaudoin, MT Feb. 00, p1.

**Concrete durability**

Effect of Pumping on Properties of Bridge Concrete, Nur Yazdani, Mike Bergin and Ghulam Majtaba, MT Aug. 00, p212-219.

Effectiveness of In Situ Moisture Preconditioning Methods for Concrete, P. A. Muhammed Basheer, Eanna A. Nolan, W. John McCarter and Adrian E. Long, MT May 00, p131-138.

Factors Affecting Resistance of Concrete to Freezing and Thawing Damage, Osama A. Mohamed, Kevin L. Rens, P.E. and Judith J. Stalnaker, P.E., MT Feb. 00, p26-32.

Special Issue on Durability of Concrete and Its Constituents, J. J. Beaudoin, MT Feb. 00, p1.

**Concrete pavements**

Correlation of Tire Wear and Friction to Texture of Concrete Pavements, M. Gunaratne, N. Bandara, J. Medzorian, M. Chawla and P. Ulrich, MT Feb. 00, p46-54.

**Concrete placing**

Effect of Pumping on Properties of Bridge Concrete, Nur Yazdani, Mike Bergin and Ghulam Majtaba, MT Aug. 00, p212-219.

**Concrete, reinforced**
Concrete Reinforcement with Recycled Fibers, Youjiang Wang, H. C. Wu and Victor C. Li, MT Nov. 00, p314-319.
CP Criteria for Reinforced Concrete in Marine Exposure Zones, Gareth K. Glass, Alaa M. Hassanein and Nick R. Buenfeld, MT May 00, p164-171.
Developments in Cathodic Protection Applied to Reinforced Concrete, Christopher L. Page and George Sergi, MT Feb. 00, p8-15.
Experimental Study on Crack Bridging in FRC under Uniaxial Fatigue Tension, Jun Zhang, Henrik Stang and Victor C. Li, MT Feb. 00, p66-73.
Flexural Strength and Behavior of Babadua-Reinforced Concrete Beams, Charles K. Kankam and Brigitte Odum-Ewuakye, MT Feb. 00, p39-45.
Influence of Steel Fibers in Fatigue Resistance of Concrete in Direct Compression, Ahmed S. Rafeeq, Ashok Gupta and S. Krishnamoorthy, MT May 00, p172-179.

**Concrete structures**
Compressive Behavior of Concrete Confined by Carbon Fiber Composite Jackets, Y. Xiao and H. Wu, MT May 00, p139-146.
Developments in Cathodic Protection Applied to Reinforced Concrete, Christopher L. Page and George Sergi, MT Feb. 00, p8-15.

**Concretes**
In Cement and Concrete Industry, Hiroshi Uchikawa, MT Nov. 00, p320-329.

**Confinement**
Compressive Behavior of Concrete Confined by Carbon Fiber Composite Jackets, Y. Xiao and H. Wu, MT May 00, p139-146.

**Constitutive models**
Continuum Damage Mechanics-Based Fatigue Model of Asphalt Concrete, Hyun-Jong Lee, Jo Sias Daniel and Y. Richard Kim, MT May 00, p105-112.

**Construction materials**
Mound Soil as Construction Material, Felix F. Udoeyo, Alu O. Cassidy and Sulaiman Jajere, MT Aug. 00, p205-211.
New Building Material from Waste Concrete by Carbonation, Satoshi Teramura, Norifumi Isu and Kenji Inagaki, MT Nov. 00, p288-293.

**Continuum mechanics**
Continuum Damage Mechanics-Based Fatigue Model of Asphalt Concrete, Hyun-Jong Lee, Jo Sias Daniel and Y. Richard Kim, MT May 00, p105-112.

**Corrosion**
Accelerated Corrosion and Embrittlement of High-Strength Bridge Wire, Scott Calabrese Barton, Garry W. Vermaas, Paul F. Duby, Alan C. West and Raimondo Betti, MT Feb. 00, p33-38.
Corrosion of Galvanized Strips in Florida Reinforced Earth Walls, Alberto A. Sagüés, Randall Scott, Juan Rossi, José A. Peña and Rodney Powers, MT Aug. 00, p220-227.
CP Criteria for Reinforced Concrete in Marine Exposure Zones, Gareth K. Glass, Alaa M. Hassanein and Nick R. Buenfeld, MT May 00, p164-171.

**Corrosion resistance**
Corrosion of Galvanized Strips in Florida Reinforced Earth Walls, Alberto A. Sagüés, Randall Scott, Juan Rossi, José A. Peña and Rodney Powers, MT Aug. 00, p220-227.
Developments in Cathodic Protection Applied to Reinforced Concrete, Christopher L. Page and George Sergi, MT Feb. 00, p8-15.

**Cracking**
Expansion of Alite Paste Caused by Gypsum Formation during Sulfate Attack, Bing Tian and Menashi D. Cohen, MT Feb. 00, p24-25.
Flat and Elongated Aggregates in Superpave Regime, Paul K. Oduroh, Kamyar C. Mahboub, P.E. and R. Michael Anderson, P.E., MT May 00, p124-130.

**Cracks**
Experimental Study on Crack Bridging in FRC under Uniaxial Fatigue Tension, Jun Zhang, Henrik Stang and Victor C. Li, MT Feb. 00, p66-73.
Extent of Healing of Cracked Normal Strength Concrete, Corina-Maria Aldea, Won-Joon Song, John S. Popovics and Surendra P. Shah, MT Feb. 00, p92-96.

**Currents**
CP Criteria for Reinforced Concrete in Marine Exposure Zones, Gareth K. Glass, Alaa M. Hassanein and Nick R. Buenfeld, MT May 00, p164-171.

**Demolition**
Calcium Silicate Products with Crushed Building and Demolition Waste, H. M. L. Schuur, MT Nov. 00, p282-287.

**Deterioration**
Correlation of Tire Wear and Friction to Texture of Concrete Pavements, M. Gunaratne, N. Bandara, J. Medzorian, M. Chawla and P. Ulrich, MT Feb. 00, p46-54.

**Ductility**
Effect of Heat Straightening on Material Properties of Steel, R. Richard Avent, David J. Mukai and Paul F. Robinson, MT Aug. 00, p188-195.

**Durability**
Special Issue on Durability of Concrete and Its Constituents, J. J. Beaudoin, MT Feb. 00, p1.

**Dynamic loads**
Fiber Reinforced Wet-Mix Shotcrete under Impact, P. Gupta, N. Banthia and C. Yan, MT Feb. 00, p81-90.

**Earth structures**
Corrosion of Galvanized Strips in Florida Reinforced Earth Walls, Alberto A. Sagüés, Randall Scott, Juan Rossi, José A. Peña and Rodney Powers, MT Aug. 00, p220-227.

**Ecology**
In Cement and Concrete Industry, Hiroshi Uchikawa, MT Nov. 00, p320-329.

**Energy absorption**
Fiber Reinforced Wet-Mix Shotcrete under Impact, P. Gupta, N. Banthia and C. Yan, MT Feb. 00, p81-90.

**Environmental effects**
Fatigue Model for Fiber-Reinforced Polymeric Composites, Hai C. Tang, Tinh Nguyen, Tze-jer Chuang, Joannie Chin, Jack Lesko and H. Felix Wu, MT May 00, p97-104.

**Environmental impacts**
Guest Editorial, Toshiyuki Hashida and Takeshi Mitsuda, MT Nov. 00, p281.

**Epoxy resins**
Shear Tests of Steel Plates Epoxy-Bonded to Concrete under Temperature, António J. B. Tadeu and Fernando J. F. G. Branco, MT Feb. 00, p74-80.

**Expansion**
Expansion of Alite Paste Caused by Gypsum Formation during Sulfate Attack, Bing Tian and Menashi D. Cohen, MT Feb. 00, p24-25.

**Failure load**
Flexural Strength and Behavior of Babadua-Reinforced Concrete Beams, Charles K. Kankam and Brigitte Odum-Ewuakye, MT Feb. 00, p39-45.

**Fatigue**
Continuum Damage Mechanics-Based Fatigue Model of Asphalt Concrete, Hyun-Jong Lee, Jo Sias Daniel and Y. Richard Kim, MT May 00, p105-112.
Experimental Study on Crack Bridging in FRC under Uniaxial Fatigue Tension, Jun Zhang, Henrik Stang and Victor C. Li, MT Feb. 00, p66-73.
Fatigue Model for Fiber-Reinforced Polymeric Composites, Hai C. Tang, Tinh Nguyen, Tze-jer Chuang, Joannie Chin, Jack Lesko and H. Felix Wu, MT May 00, p97-104.

**Fatigue life**
Fatigue Model for Fiber-Reinforced Polymeric Composites, Hai C. Tang, Tinh Nguyen, Tze-jer Chuang, Joannie Chin, Jack Lesko and H. Felix Wu, MT May 00, p97-104.

**Fatigue strength**
Influence of Steel Fibers in Fatigue Resistance of Concrete in Direct Compression, Ahmed S. Rafeeq, Ashok Gupta and S. Krishnamoorthy, MT May 00, p172-179.

**Fiber optics**
Concrete Strain Monitoring with Fabry-Pérot Fiber-Optic Sensor, Marco Quirion and Gérard Ballivy, MT Aug. 00, p254-261.

**Fiber reinforced materials**
Concrete Reinforcement with Recycled Fibers, Youjiang Wang, H. C. Wu and Victor C. Li, MT Nov. 00, p314-319.
Experimental Study on Crack Bridging in FRC under Uniaxial Fatigue Tension, Jun Zhang, Henrik Stang and Victor C. Li, MT Feb. 00, p66-73.
Fatigue Model for Fiber-Reinforced Polymeric Composites, Hai C. Tang, Tinh Nguyen, Tze-jer Chuang, Joannie Chin, Jack Lesko and H. Felix Wu, MT May 00, p97-104.
Fiber Reinforced Wet-Mix Shotcrete under Impact, P. Gupta, N. Banthia and C. Yan, MT Feb. 00, p81-90.
Role of Interfaces in Controlling Durability of Fiber-Reinforced Cements, Arnon Bentur, MT Feb. 00, p2-7.
Spatial Distribution of Aligned Short Fibers in Cement Composites, Yilmaz Akkaya, Jeffrey Picka and Surendra P. Shah, MT Aug. 00, p272-279.

**Fiber reinforced plastics**
Tensile Stress-Strain Modeling of Pseudostrain Hardening Cementitious Composites, Tetsushi Kanda, Zhong Lin and Victor C. Li, MT May 00, p147-156.

**Fibers**
Compressive Behavior of Concrete Confined by Carbon Fiber Composite Jackets, Y. Xiao and H. Wu, MT May 00, p139-146.
Concrete Reinforcement with Recycled Fibers, Youjiang Wang, H. C. Wu and Victor C. Li, MT Nov. 00, p314-319.

**Flexural strength**
Flexural Strength and Behavior of Babadua-Reinforced Concrete Beams, Charles K. Kankam and Brigitte Odum-Ewuakye, MT Feb. 00, p39-45.
Hydrothermal Solidification of Wastes with Formation of Zeolites, Hiroki Maenami, Hiroto Shin, Hideki Ishida and Takeshi Mitsuda, MT Nov. 00, p302-306.

**Fluidized bed processing**
Applications for PFBC Residues, Jan Rogbeck and Lynne Anderson, MT Nov. 00, p294-301.

**Fly ash**
Hydrothermal Solidification of Wastes with Formation of Zeolites, Hiroki Maenami, Hiroto Shin, Hideki Ishida and Takeshi Mitsuda, MT Nov. 00, p302-306.
Microstructural Development of Stabilized Fly Ash as Pavement-Base Material, A. Hilmi Lav and M. Aysen Lav, MT May 00, p157-163.
Microstructure of Composite Material from High-Lime Fly Ash and RPET, David J. White, MT Feb. 00, p60-65.
Stabilization of Clay with Inorganic By-Products, Heikki Kukko, MT Nov. 00, p307-309.

**Freeze-thaw durability**
Factors Affecting Resistance of Concrete to Freezing and Thawing Damage, Osama A. Mohamed, Kevin L. Rens, P.E. and Judith J. Stalnaker, P.E., MT Feb. 00, p26-32.
Use of Pulverized Fuel Ash in Trench Backfill, G. S. Ghataora, I. M. Alobaidi and J. Billam, MT Aug. 00, p228-237.

**Friction**
Correlation of Tire Wear and Friction to Texture of Concrete Pavements, M. Gunaratne, N. Bandara, J. Medzorian, M. Chawla and P. Ulrich, MT Feb. 00, p46-54.

**Glass**
Mechanical Properties of Fired Clay-Perlite as Composite Material, Leyla Tanaçan and Halit Yaşa Ersoy, MT Feb. 00, p55-59.

**Graphite fibers**
Gray Cast-Iron Water Pipe Metallurgy, J. M. Makar and B. Rajani, MT Aug. 00, p245-253.

**Gypsum**
Expansion of Alite Paste Caused by Gypsum Formation during Sulfate Attack, Bing Tian and Menashi D. Cohen, MT Feb. 00, p24-25.

**Heat treatment**
Effect of Heat Straightening on Material Properties of Steel, R. Richard Avent, David J. Mukai and Paul F. Robinson, MT Aug. 00, p188-195.

**Heated water**
Hydrothermal Solidification of Wastes with Formation of Zeolites, Hiroki Maenami, Hiroto Shin, Hideki Ishida and Takeshi Mitsuda, MT Nov. 00, p302-306.

**Heavy metals**
Hydrothermal Solidification of Wastes with Formation of Zeolites, Hiroki Maenami, Hiroto Shin, Hideki Ishida and Takeshi Mitsuda, MT Nov. 00, p302-306.

**High strength concretes**
Concrete Strain Monitoring with Fabry-Pérot Fiber-Optic Sensor, Marco Quirion and Gérard Ballivy, MT Aug. 00, p254-261.

Ice Formation Mechanisms in Normal and High-Performance Concrete Mixtures, B. Zuber, J. Marchand, A. Delagrave and J. P. Bournazel, MT Feb. 00, p16-23.

**High strength steel**

Accelerated Corrosion and Embrittlement of High-Strength Bridge Wire, Scott Calabrese Barton, Garry W. Vermaas, Paul F. Duby, Alan C. West and Raimondo Betti, MT Feb. 00, p33-38.

**Ice formation**

Ice Formation Mechanisms in Normal and High-Performance Concrete Mixtures, B. Zuber, J. Marchand, A. Delagrave and J. P. Bournazel, MT Feb. 00, p16-23.

**Impact tests**

Fiber Reinforced Wet-Mix Shotcrete under Impact, P. Gupta, N. Banthia and C. Yan, MT Feb. 00, p81-90.

**In situ tests**

Effectiveness of In Situ Moisture Preconditioning Methods for Concrete, P. A. Muhammed Basheer, Eanna A. Nolan, W. John McCarter and Adrian E. Long, MT May 00, p131-138.

**Incineration**

Use of Papermaking Sludge as New Material, Hiroji Ishimoto, Takeshi Origuchi and Masahiro Yasuda, MT Nov. 00, p310-313.

**Infrastructure**

Special Issue on Durability of Concrete and Its Constituents, J. J. Beaudoin, MT Feb. 00, p1.

**Inspection**

Ultrasonic Pulse Velocity Technique for Inspection and Evaluation of Timber, T. Shaji, S. Somayaji and M. S. Mathews, MT May 00, p180-185.

**Instrumentation**

Corrosion of Galvanized Strips in Florida Reinforced Earth Walls, Alberto A. Sagüés, Randall Scott, Juan Rossi, José A. Peña and Rodney Powers, MT Aug. 00, p220-227.

**Interfaces**

Ice Formation Mechanisms in Normal and High-Performance Concrete Mixtures, B. Zuber, J. Marchand, A. Delagrave and J. P. Bournazel, MT Feb. 00, p16-23.

Role of Interfaces in Controlling Durability of Fiber-Reinforced Cements, Arnon Bentur, MT Feb. 00, p2-7.

Tensile Stress-Strain Modeling of Pseudostrain Hardening Cementitious Composites, Tetsushi Kanda, Zhong Lin and Victor C. Li, MT May 00, p147-156.

**Laboratory tests**

Stabilization of Clay with Inorganic By-Products, Heikki Kukko, MT Nov. 00, p307-309.

**Laminated wood**

Shear Strength in Structural Composite Lumber, Frank Lam and Bruce A. Craig, MT Aug. 00, p196-204.

**Marine engineering**

CP Criteria for Reinforced Concrete in Marine Exposure Zones, Gareth K. Glass, Alaa M. Hassanein and Nick R. Buenfeld, MT May 00, p164-171.

**Materials**

Guest Editorial, Toshiyuki Hashida and Takeshi Mitsuda, MT Nov. 00, p281.

**Materials, properties**

Correlation of Tire Wear and Friction to Texture of Concrete Pavements, M. Gunaratne, N. Bandara, J. Medzorian, M. Chawla and P. Ulrich, MT Feb. 00, p46-54.

Effect of Heat Straightening on Material Properties of Steel, R. Richard Avent, David J. Mukai and Paul F. Robinson, MT Aug. 00, p188-195.

Gray Cast-Iron Water Pipe Metallurgy, J. M. Makar and B. Rajani, MT Aug. 00, p245-253.

**Measurement**

Effectiveness of In Situ Moisture Preconditioning Methods for Concrete, P. A. Muhammed Basheer, Eanna A. Nolan, W. John McCarter and Adrian E. Long, MT May 00, p131-138.

**Mechanical properties**

Calcium Silicate Products with Crushed Building and Demolition Waste, H. M. L. Schuur, MT Nov. 00, p282-287.

Mechanical Properties of Fired Clay-Perlite as Composite Material, Leyla Tanaçan and Halit Yaşa Ersoy, MT Feb. 00, p55-59.

Spatial Distribution of Aligned Short Fibers in Cement Composites, Yilmaz Akkaya, Jeffrey Picka and Surendra P. Shah, MT Aug. 00, p272-279.

Volumetric and Mechanical Performance Properties of Superpave Mixtures, Jian-Neng Wang, Thomas W. Kennedy and Robert B. McGennis, MT Aug. 00, p238-244.

**Metals**

Gray Cast-Iron Water Pipe Metallurgy, J. M. Makar and B. Rajani, MT Aug. 00, p245-253.

**Microstructure**

Microstructural Development of Stabilized Fly Ash as Pavement-Base Material, A. Hilmi Lav and M. Aysen Lav, MT May 00, p157-163.

Microstructure of Composite Material from High-Lime Fly Ash and RPET, David J. White, MT Feb. 00, p60-65.

Role of Interfaces in Controlling Durability of Fiber-Reinforced Cements, Arnon Bentur, MT Feb. 00, p2-7.

**Mixtures**

Ice Formation Mechanisms in Normal and High-Performance Concrete Mixtures, B. Zuber, J. Marchand, A. Delagrave and J. P. Bournazel, MT Feb. 00, p16-23.

**Modeling**

Fatigue Model for Fiber-Reinforced Polymeric Composites, Hai C. Tang, Tinh Nguyen, Tze-jer Chuang, Joannie Chin, Jack Lesko and H. Felix Wu, MT May 00, p97-104.

**Moisture content**

Effectiveness of In Situ Moisture Preconditioning Methods for Concrete, P. A. Muhammed Basheer, Eanna A. Nolan, W. John McCarter and Adrian E. Long, MT May 00, p131-138.

**Monitoring**

Concrete Strain Monitoring with Fabry-Pérot Fiber-Optic Sensor, Marco Quirion and Gérard Ballivy, MT Aug. 00, p254-261.

**Morphology**

Composite Asphalt Binders: Effect of Modified RPE on Asphalt, A. A. Yousefi, A. Ait-Kadi and C. Roy, MT May 00, p113-123.

**Mortars**

Mound Soil as Construction Material, Felix F. Udoeyo, Alu O. Cassidy and Sulaiman Jajere, MT Aug. 00, p205-211.

**Neural networks**

Influence of Steel Fibers in Fatigue Resistance of Concrete in Direct Compression, Ahmed S. Rafeeq, Ashok Gupta and S. Krishnamoorthy, MT May 00, p172-179.

**Nondestructive tests**

Extent of Healing of Cracked Normal Strength Concrete, Corina-Maria Aldea, Won-Joon Song, John S. Popovics and Surendra P. Shah, MT Feb. 00, p92-96.

Ultrasonic Pulse Velocity Technique for Inspection and Evaluation of Timber, T. Shaji, S. Somayaji and M. S. Mathews, MT May 00, p180-185.

**Numerical models**

Concrete Strain Monitoring with Fabry-Pérot Fiber-Optic Sensor, Marco Quirion and Gérard Ballivy, MT Aug. 00, p254-261.

Ice Formation Mechanisms in Normal and High-Performance Concrete Mixtures, B. Zuber, J. Marchand, A. Delagrave and J. P. Bournazel, MT Feb. 00, p16-23.

**Oil shale**

Applications for PFBC Residues, Jan Rogbeck and Lynne Anderson, MT Nov. 00, p294-301.

**Paper industry**

Use of Papermaking Sludge as New Material, Hiroji Ishimoto, Takeshi Origuchi and Masahiro Yasuda, MT Nov. 00, p310-313.

**Particles**

Flat and Elongated Aggregates in Superpave Regime, Paul K. Oduroh, Kamyar C. Mahboub, P.E. and R. Michael Anderson, P.E., MT May 00, p124-130.

**Pavements**

Microstructural Development of Stabilized Fly Ash as Pavement-Base Material, A. Hilmi Lav and M. Aysen Lav, MT May 00, p157-163.

**Performance**

Flat and Elongated Aggregates in Superpave Regime, Paul K. Oduroh, Kamyar C. Mahboub, P.E. and R. Michael Anderson, P.E., MT May 00, p124-130.

**Performance evaluation**

Volumetric and Mechanical Performance Properties of Superpave Mixtures, Jian-Neng Wang, Thomas W. Kennedy and Robert B. McGennis, MT Aug. 00, p238-244.

**Permeability**

Effect of Pumping on Properties of Bridge Concrete, Nur Yazdani, Mike Bergin and Ghulam Majtaba, MT Aug. 00, p212-219.

Effectiveness of In Situ Moisture Preconditioning Methods for Concrete, P. A. Muhammed Basheer, Eanna A. Nolan, W. John McCarter and Adrian E. Long, MT May 00, p131-138.

**Permeability tests**

Extent of Healing of Cracked Normal Strength Concrete, Corina-Maria Aldea, Won-Joon Song, John S. Popovics and Surendra P. Shah, MT Feb. 00, p92-96.

**Phase angles**

Volumetric and Mechanical Performance Properties of Superpave Mixtures, Jian-Neng Wang, Thomas W. Kennedy and Robert B. McGennis, MT Aug. 00, p238-244.

**Pipe tests**

Gray Cast-Iron Water Pipe Metallurgy, J. M. Makar and B. Rajani, MT Aug. 00, p245-253.

**Polyethylene**

Composite Asphalt Binders: Effect of Modified RPE on Asphalt, A. A. Yousefi, A. Ait-Kadi and C. Roy, MT May 00, p113-123.

Microstructure of Composite Material from High-Lime Fly Ash and RPET, David J. White, MT Feb. 00, p60-65.

**Porous materials**

Use of Papermaking Sludge as New Material, Hiroji Ishimoto, Takeshi Origuchi and Masahiro Yasuda, MT Nov. 00, p310-313.

**Pulse generators**

Ultrasonic Pulse Velocity Technique for Inspection and Evaluation of Timber, T. Shaji, S. Somayaji and M. S. Mathews, MT May 00, p180-185.

**Pumping**

Effect of Pumping on Properties of Bridge Concrete, Nur Yazdani, Mike Bergin and Ghulam Majtaba, MT Aug. 00, p212-219.

**Recycling**

Calcium Silicate Products with Crushed Building and Demolition Waste, H. M. L. Schuur, MT Nov. 00, p282-287.

Concrete Reinforcement with Recycled Fibers, Youjiang Wang, H. C. Wu and Victor C. Li, MT Nov. 00, p314-319.

In Cement and Concrete Industry, Hiroshi Uchikawa, MT Nov. 00, p320-329.

**Reinforcing steels**

Corrosion of Galvanized Strips in Florida Reinforced Earth Walls, Alberto A. Sagüés, Randall Scott, Juan Rossi, José A. Peña and Rodney Powers, MT Aug. 00, p220-227.

**Repairing**

Effect of Heat Straightening on Material Properties of Steel, R. Richard Avent, David J. Mukai and Paul F. Robinson, MT Aug. 00, p188-195.

**Resistance factors**

Factors Affecting Resistance of Concrete to Freezing and Thawing Damage, Osama A. Mohamed, Kevin L. Rens, P.E. and Judith J. Stalnaker, P.E., MT Feb. 00, p26-32.

**Resource conservation**

Concrete Reinforcement with Recycled Fibers, Youjiang Wang, H. C. Wu and Victor C. Li, MT Nov. 00, p314-319.

**Rheological properties**

Composite Asphalt Binders: Effect of Modified RPE on Asphalt, A. A. Yousefi, A. Ait-Kadi and C. Roy, MT May 00, p113-123.

**Roads**

Microstructural Development of Stabilized Fly Ash as Pavement-Base Material, A. Hilmi Lav and M. Aysen Lav, MT May 00, p157-163.

**Sealing**

Extent of Healing of Cracked Normal Strength Concrete, Corina-Maria Aldea, Won-Joon Song, John S. Popovics and Surendra P. Shah, MT Feb. 00, p92-96.

**Service life**
Corrosion of Galvanized Strips in Florida Reinforced Earth Walls, Alberto A. Sagüés, Randall Scott, Juan Rossi, José A. Peña and Rodney Powers, MT Aug. 00, p220-227.

**Shear modulus**
Volumetric and Mechanical Performance Properties of Superpave Mixtures, Jian-Neng Wang, Thomas W. Kennedy and Robert B. McGennis, MT Aug. 00, p238-244.

**Shear resistance**
Shear Tests of Steel Plates Epoxy-Bonded to Concrete under Temperature, António J. B. Tadeu and Fernando J. F. G. Branco, MT Feb. 00, p74-80.

**Shear strength**
Flexural Strength and Behavior of Babadua-Reinforced Concrete Beams, Charles K. Kankam and Brigitte Odum-Ewuakye, MT Feb. 00, p39-45.

Shear Strength in Structural Composite Lumber, Frank Lam and Bruce A. Craig, MT Aug. 00, p196-204.

**Shotcrete**
Fiber Reinforced Wet-Mix Shotcrete under Impact, P. Gupta, N. Banthia and C. Yan, MT Feb. 00, p81-90.

**Sludge**
Use of Papermaking Sludge as New Material, Hiroji Ishimoto, Takeshi Origuchi and Masahiro Yasuda, MT Nov. 00, p310-313.

**Soil properties**
Mound Soil as Construction Material, Felix F. Udoeyo, Alu O. Cassidy and Sulaiman Jajere, MT Aug. 00, p205-211.

**Soils**
Mound Soil as Construction Material, Felix F. Udoeyo, Alu O. Cassidy and Sulaiman Jajere, MT Aug. 00, p205-211.

**Solidification**
Hydrothermal Solidification of Wastes with Formation of Zeolites, Hiroki Maenami, Hiroto Shin, Hideki Ishida and Takeshi Mitsuda, MT Nov. 00, p302-306.

**Spatial distribution**
Spatial Distribution of Aligned Short Fibers in Cement Composites, Yilmaz Akkaya, Jeffrey Picka and Surendra P. Shah, MT Aug. 00, p272-279.

**Specifications**
Flat and Elongated Aggregates in Superpave Regime, Paul K. Oduroh, Kamyar C. Mahboub, P.E. and R. Michael Anderson, P.E., MT May 00, p124-130.

**Stabilization**
Applications for PFBC Residues, Jan Rogbeck and Lynne Anderson, MT Nov. 00, p294-301.

Microstructural Development of Stabilized Fly Ash as Pavement-Base Material, A. Hilmi Lav and M. Aysen Lav, MT May 00, p157-163.

Stabilization of Clay with Inorganic By-Products, Heikki Kukko, MT Nov. 00, p307-309.

**Statistical analysis**
Spatial Distribution of Aligned Short Fibers in Cement Composites, Yilmaz Akkaya, Jeffrey Picka and Surendra P. Shah, MT Aug. 00, p272-279.

**Steel fibers**
Experimental Study on Crack Bridging in FRC under Uniaxial Fatigue Tension, Jun Zhang, Henrik Stang and Victor C. Li, MT Feb. 00, p66-73.

Influence of Steel Fibers in Fatigue Resistance of Concrete in Direct Compression, Ahmed S. Rafeeq, Ashok Gupta and S. Krishnamoorthy, MT May 00, p172-179.

**Steel plates**
Shear Tests of Steel Plates Epoxy-Bonded to Concrete under Temperature, António J. B. Tadeu and Fernando J. F. G. Branco, MT Feb. 00, p74-80.

**Strain**
Influence of Steel Fibers in Fatigue Resistance of Concrete in Direct Compression, Ahmed S. Rafeeq, Ashok Gupta and S. Krishnamoorthy, MT May 00, p172-179.

**Strain gages**
Concrete Strain Monitoring with Fabry-Pérot Fiber-Optic Sensor, Marco Quirion and Gérard Ballivy, MT Aug. 00, p254-261.

**Strain hardening**
Tensile Stress-Strain Modeling of Pseudostrain Hardening Cementitious Composites, Tetsushi Kanda, Zhong Lin and Victor C. Li, MT May 00, p147-156.

**Strain rate**
Uniaxial Experiments on Idealized Asphalt Mixes, V. S. Deshpande and D. Cebon, MT Aug. 00, p262-271.

**Strength**
Effect of Heat Straightening on Material Properties of Steel, R. Richard Avent, David J. Mukai and Paul F. Robinson, MT Aug. 00, p188-195.

**Stress**
Uniaxial Experiments on Idealized Asphalt Mixes, V. S. Deshpande and D. Cebon, MT Aug. 00, p262-271.

**Stress waves**
Extent of Healing of Cracked Normal Strength Concrete, Corina-Maria Aldea, Won-Joon Song, John S. Popovics and Surendra P. Shah, MT Feb. 00, p92-96.

**Structural steels**
Effect of Heat Straightening on Material Properties of Steel, R. Richard Avent, David J. Mukai and Paul F. Robinson, MT Aug. 00, p188-195.

**Sulfates**
Expansion of Alite Paste Caused by Gypsum Formation during Sulfate Attack, Bing Tian and Menashi D. Cohen, MT Feb. 00, p24-25.

**Surface properties**
Correlation of Tire Wear and Friction to Texture of Concrete Pavements, M. Gunaratne, N. Bandara, J. Medzorian, M. Chawla and P. Ulrich, MT Feb. 00, p46-54.

**Temperature effects**
Shear Tests of Steel Plates Epoxy-Bonded to Concrete under Temperature, António J. B. Tadeu and Fernando J. F. G. Branco, MT Feb. 00, p74-80.

Uniaxial Experiments on Idealized Asphalt Mixes, V. S. Deshpande and D. Cebon, MT Aug. 00, p262-271.

**Tension**
Experimental Study on Crack Bridging in FRC under Uniaxial Fatigue Tension, Jun Zhang, Henrik Stang and Victor C. Li, MT Feb. 00, p66-73.

**Tidal waters**
CP Criteria for Reinforced Concrete in Marine Exposure Zones, Gareth K. Glass, Alaa M. Hassanein and Nick R. Buenfeld, MT May 00, p164-171.

**Timbers**
Ultrasonic Pulse Velocity Technique for Inspection and Evaluation of Timber, T. Shaji, S. Somayaji and M. S. Mathews, MT May 00, p180-185.

**Time factors**
Effect of Pumping on Properties of Bridge Concrete, Nur Yazdani, Mike Bergin and Ghulam Majtaba, MT Aug. 00, p212-219.

**Tires**
Correlation of Tire Wear and Friction to Texture of Concrete Pavements, M. Gunaratne, N. Bandara, J. Medzorian, M. Chawla and P. Ulrich, MT Feb. 00, p46-54.

**Trenches**
Use of Pulverized Fuel Ash in Trench Backfill, G. S. Ghataora, I. M. Alobaidi and J. Billam, MT Aug. 00, p228-237.

**Ultrasonic testing**
Ultrasonic Pulse Velocity Technique for Inspection and Evaluation of Timber, T. Shaji, S. Somayaji and M. S. Mathews, MT May 00, p180-185.

**Veneers**
Shear Strength in Structural Composite Lumber, Frank Lam and Bruce A. Craig, MT Aug. 00, p196-204.

**Viscoelasticity**
Continuum Damage Mechanics-Based Fatigue Model of Asphalt Concrete, Hyun-Jong Lee, Jo Sias Daniel and Y. Richard Kim, MT May 00, p105-112.

**Volumetric strain**
Volumetric and Mechanical Performance Properties of Superpave Mixtures, Jian-Neng Wang, Thomas W. Kennedy and Robert B. McGennis, MT Aug. 00, p238-244.

**Waste recycling**
Microstructure of Composite Material from High-Lime Fly Ash and RPET, David J. White, MT Feb. 00, p60-65.

**Waste utilization**
Applications for PFBC Residues, Jan Rogbeck and Lynne Anderson, MT Nov. 00, p294-301.

Calcium Silicate Products with Crushed Building and Demolition Waste, H. M. L. Schuur, MT Nov. 00, p282-287.

Concrete Reinforcement with Recycled Fibers, Youjiang Wang, H. C. Wu and Victor C. Li, MT Nov. 00, p314-319.

Hydrothermal Solidification of Wastes with Formation of Zeolites, Hiroki Maenami, Hiroto Shin, Hideki Ishida and Takeshi Mitsuda, MT Nov. 00, p302-306.

In Cement and Concrete Industry, Hiroshi Uchikawa, MT Nov. 00, p320-329.

Microstructural Development of Stabilized Fly Ash as Pavement-Base Material, A. Hilmi Lav and M. Aysen Lav, MT May 00, p157-163.

New Building Material from Waste Concrete by Carbonation, Satoshi Teramura, Norifumi Isu and Kenji Inagaki, MT Nov. 00, p288-293.

Use of Papermaking Sludge as New Material, Hiroji Ishimoto, Takeshi Origuchi and Masahiro Yasuda, MT Nov. 00, p310-313.

**Water pipelines**
Gray Cast-Iron Water Pipe Metallurgy, J. M. Makar and B. Rajani, MT Aug. 00, p245-253.

**Water quality**
Use of Papermaking Sludge as New Material, Hiroji Ishimoto, Takeshi Origuchi and Masahiro Yasuda, MT Nov. 00, p310-313.

**Wire products**
Accelerated Corrosion and Embrittlement of High-Strength Bridge Wire, Scott Calabrese Barton, Garry W. Vermaas, Paul F. Duby, Alan C. West and Raimondo Betti, MT Feb. 00, p33-38.

**Yield stress**
Effect of Heat Straightening on Material Properties of Steel, R. Richard Avent, David J. Mukai and Paul F. Robinson, MT Aug. 00, p188-195.

**Zeolite**
Hydrothermal Solidification of Wastes with Formation of Zeolites, Hiroki Maenami, Hiroto Shin, Hideki Ishida and Takeshi Mitsuda, MT Nov. 00, p302-306.

# AUTHOR INDEX


**Ait-Kadi, A.**
*see* Yousefi, A. A., MT May 00, p113-123

**Akkaya, Yilmaz**
Spatial Distribution of Aligned Short Fibers in Cement Composites, with Jeffrey Picka and Surendra P. Shah, MT Aug. 00, p272-279

**Aldea, Corina-Maria**
Extent of Healing of Cracked Normal Strength Concrete, with Won-Joon Song, John S. Popovics and Surendra P. Shah, MT Feb. 00, p92-96

**Alobaidi, I. M.**
*see* Ghataora, G. S., MT Aug. 00, p228-237

**Anderson, Lynne**
*see* Rogbeck, Jan, MT Nov. 00, p294-301

**Anderson, R. Michael, P.E.**
*see* Oduroh, Paul K., MT May 00, p124-130

**Avent, R. Richard**
Effect of Heat Straightening on Material Properties of Steel, with David J. Mukai and Paul F. Robinson, MT Aug. 00, p188-195

**Ballivy, Gérard**
*see* Quirion, Marco, MT Aug. 00, p254-261

**Bandara, N.**
*see* Gunaratne, M., MT Feb. 00, p46-54

**Banthia, N.**
*see* Gupta, P., MT Feb. 00, p81-90

**Barton, Scott Calabrese**
Accelerated Corrosion and Embrittlement of High-Strength Bridge Wire, with Garry W. Vermaas, Paul F. Duby, Alan C. West and Raimondo Betti, MT Feb. 00, p33-38

**Basheer, P. A. Muhammed**
Effectiveness of In Situ Moisture Preconditioning Methods for Concrete, with Éanna A. Nolan, W. John McCarter and Adrian E. Long, MT May 00, p131-138

**Beaudoin, J. J.**
Special Issue on Durability of Concrete and Its Constituents, MT Feb. 00, p1

**Bentur, Arnon**
Role of Interfaces in Controlling Durability of Fiber-Reinforced Cements, MT Feb. 00, p2-7

**Bergin, Mike**
*see* Yazdani, Nur, MT Aug. 00, p212-219

**Betti, Raimondo**
*see* Barton, Scott Calabrese, MT Feb. 00, p33-38

**Billam, J.**
*see* Ghataora, G. S., MT Aug. 00, p228-237

**Bournazel, J. P.**
*see* Zuber, B., MT Feb. 00, p16-23

**Branco, Fernando J. F. G.**
*see* Tadeu, António J. B., MT Feb. 00, p74-80

**Buenfeld, Nick R.**
*see* Glass, Gareth K., MT May 00, p164-171

**Cassidy, Alu O.**
*see* Udoeyo, Felix F., MT Aug. 00, p205-211

**Cebon, D.**
*see* Deshpande, V. S., MT Aug. 00, p262-271

**Chawla, M.**
*see* Gunaratne, M., MT Feb. 00, p46-54

**Chin, Joannie**
*see* Tang, Hai C., MT May 00, p97-104

**Chuang, Tze-jer**
*see* Tang, Hai C., MT May 00, p97-104

**Cohen, Menashi D.**
*see* Tian, Bing, MT Feb. 00, p24-25

**Craig, Bruce A.**
*see* Lam, Frank, MT Aug. 00, p196-204

**Daniel, Jo Sias**
*see* Lee, Hyun-Jong, MT May 00, p105-112

**Delagrave, A.**
*see* Zuber, B., MT Feb. 00, p16-23

**Deshpande, V. S.**
Uniaxial Experiments on Idealized Asphalt Mixes, with D. Cebon, MT Aug. 00, p262-271

**Duby, Paul F.**
*see* Barton, Scott Calabrese, MT Feb. 00, p33-38

**Ersoy, Halit Yaşa**
*see* Tanaçan, Leyla, MT Feb. 00, p55-59

**Ghataora, G. S.**
Use of Pulverized Fuel Ash in Trench Backfill, with I. M. Alobaidi and J. Billam, MT Aug. 00, p228-237

**Glass, Gareth K.**
CP Criteria for Reinforced Concrete in Marine Exposure Zones, with Alaa M. Hassanein and Nick R. Buenfeld, MT May 00, p164-171

**Gunaratne, M.**
Correlation of Tire Wear and Friction to Texture of Concrete Pavements, with N. Bandara, J. Medzorian, M. Chawla and P. Ulrich, MT Feb. 00, p46-54

**Gupta, Ashok**
*see* Rafeeq, Ahmed S., MT May 00, p172-179

**Gupta, P.**
Fiber Reinforced Wet-Mix Shotcrete under Impact, with N. Banthia and C. Yan, MT Feb. 00, p81-90

**Hashida, Toshiyuki**
Guest Editorial, with Takeshi Mitsuda, MT Nov. 00, p281

**Hassanein, Alaa M.**
*see* Glass, Gareth K., MT May 00, p164-171

**Inagaki, Kenji**
*see* Teramura, Satoshi, MT Nov. 00, p288-293

**Ishida, Hideki**
*see* Maenami, Hiroki, MT Nov. 00, p302-306

**Ishimoto, Hiroji**
Use of Papermaking Sludge as New Material, with Takeshi Origuchi and Masahiro Yasuda, MT Nov. 00, p310-313

**Isu, Norifumi**
*see* Teramura, Satoshi, MT Nov. 00, p288-293

**Jajere, Sulaiman**
*see* Udoeyo, Felix F., MT Aug. 00, p205-211

**Kanda, Tetsushi**
Tensile Stress-Strain Modeling of Pseudostrain Hardening Cementitious Composites, with Zhong Lin and Victor C. Li, MT May 00, p147-156

**Kankam, Charles K.**
Flexural Strength and Behavior of Babadua-Reinforced Concrete Beams, with Brigitte Odum-Ewuakye, MT Feb. 00, p39-45

**Kennedy, Thomas W.**
*see* Wang, Jian-Neng, MT Aug. 00, p238-244

**Kim, Y. Richard**
*see* Lee, Hyun-Jong, MT May 00, p105-112

**Krishnamoorthy, S.**
*see* Rafeeq, Ahmed S., MT May 00, p172-179

**Kukko, Heikki**
Stabilization of Clay with Inorganic By-Products, MT Nov. 00, p307-309

**Lam, Frank**
Shear Strength in Structural Composite Lumber, with Bruce A. Craig, MT Aug. 00, p196-204

**Lav, A. Hilmi**
Microstructural Development of Stabilized Fly Ash as Pavement-Base Material, with M. Aysen Lav, MT May 00, p157-163

**Lav, M. Aysen**
*see* Lav, A. Hilmi, MT May 00, p157-163

**Lee, Hyun-Jong**
Continuum Damage Mechanics-Based Fatigue Model of Asphalt Concrete, with Jo Sias Daniel and Y. Richard Kim, MT May 00, p105-112

**Lesko, Jack**
*see* Tang, Hai C., MT May 00, p97-104

**Li, Victor C.**
*see* Kanda, Tetsushi, MT May 00, p147-156
*see* Wang, Youjiang, MT Nov. 00, p314-319
*see* Zhang, Jun, MT Feb. 00, p66-73

**Lin, Zhong**
*see* Kanda, Tetsushi, MT May 00, p147-156

**Long, Adrian E.**
*see* Basheer, P. A. Muhammed, MT May 00, p131-138

**Maenami, Hiroki**
Hydrothermal Solidification of Wastes with Formation of Zeolites, with Hiroto Shin, Hideki Ishida and Takeshi Mitsuda, MT Nov. 00, p302-306

**Mahboub, Kamyar C., P.E.**
*see* Oduroh, Paul K., MT May 00, p124-130

**Majtaba, Ghulam**
*see* Yazdani, Nur, MT Aug. 00, p212-219

**Makar, J. M.**
Gray Cast-Iron Water Pipe Metallurgy, with B. Rajani, MT Aug. 00, p245-253

**Marchand, J.**
*see* Zuber, B., MT Feb. 00, p16-23

**Mathews, M. S.**
*see* Shaji, T., MT May 00, p180-185

**McCarter, W. John**
*see* Basheer, P. A. Muhammed, MT May 00, p131-138

**McGennis, Robert B.**
*see* Wang, Jian-Neng, MT Aug. 00, p238-244

**Medzorian, J.**
*see* Gunaratne, M., MT Feb. 00, p46-54

**Mitsuda, Takeshi**
*see* Hashida, Toshiyuki, MT Nov. 00, p281
*see* Maenami, Hiroki, MT Nov. 00, p302-306

**Mohamed, Osama A.**
Factors Affecting Resistance of Concrete to Freezing and Thawing Damage, with Kevin L. Rens, P.E. and Judith J. Stalnaker, P.E., MT Feb. 00, p26-32

**Mukai, David J.**
*see* Avent, R. Richard, MT Aug. 00, p188-195

**Nanni, Antonio**
Editorial, MT Aug. 00, p187

**Nguyen, Tinh**
*see* Tang, Hai C., MT May 00, p97-104

**Nolan, Éanna A.**
*see* Basheer, P. A. Muhammed, MT May 00, p131-138

**Odum-Ewuakye, Brigitte**
*see* Kankam, Charles K., MT Feb. 00, p39-45

**Oduroh, Paul K.**
Flat and Elongated Aggregates in Superpave Regime, with Kamyar C. Mahboub, P.E. and R. Michael Anderson, P.E., MT May 00, p124-130

**Origuchi, Takeshi**
*see* Ishimoto, Hiroji, MT Nov. 00, p310-313

**Page, Christopher L.**
Developments in Cathodic Protection Applied to Reinforced Concrete, with George Sergi, MT Feb. 00, p8-15

**Peña, José A.**
*see* Sagüés, Alberto A., MT Aug. 00, p220-227

**Picka, Jeffrey**
*see* Akkaya, Yilmaz, MT Aug. 00, p272-279

**Popovics, John S.**
*see* Aldea, Corina-Maria, MT Feb. 00, p92-96

**Powers, Rodney**
*see* Sagüés, Alberto A., MT Aug. 00, p220-227

**Quirion, Marco**
Concrete Strain Monitoring with Fabry-Pérot Fiber-Optic Sensor, with Gérard Ballivy, MT Aug. 00, p254-261

**Rafeeq, Ahmed S.**
Influence of Steel Fibers in Fatigue Resistance of Concrete in Direct Compression, with Ashok Gupta and S. Krishnamoorthy, MT May 00, p172-179

**Rajani, B.**
*see* Makar, J. M., MT Aug. 00, p245-253

**Rens, Kevin L., P.E.**
*see* Mohamed, Osama A., MT Feb. 00, p26-32

**Robinson, Paul F.**
*see* Avent, R. Richard, MT Aug. 00, p188-195

**Rogbeck, Jan**
Applications for PFBC Residues, with Lynne Anderson, MT Nov. 00, p294-301

**Rossi, Juan**
*see* Sagüés, Alberto A., MT Aug. 00, p220-227

**Roy, C.**
*see* Yousefi, A. A., MT May 00, p113-123

**Sagüés, Alberto A.**
Corrosion of Galvanized Strips in Florida Reinforced Earth Walls, with Randall Scott, Juan Rossi, José A. Peña and Rodney Powers, MT Aug. 00, p220-227

**Schuur, H. M. L.**
Calcium Silicate Products with Crushed Building and Demolition Waste, MT Nov. 00, p282-287

**Scott, Randall**
*see* Sagüés, Alberto A., MT Aug. 00, p220-227

**Sergi, George**
*see* Page, Christopher L., MT Feb. 00, p8-15

**Shah, Surendra P.**
*see* Akkaya, Yilmaz, MT Aug. 00, p272-279
*see* Aldea, Corina-Maria, MT Feb. 00, p92-96

**Shaji, T.**
Ultrasonic Pulse Velocity Technique for Inspection and Evaluation of Timber, with S. Somayaji and M. S. Mathews, MT May 00, p180-185

**Shin, Hiroto**
*see* Maenami, Hiroki, MT Nov. 00, p302-306

**Somayaji, S.**
*see* Shaji, T., MT May 00, p180-185

**Song, Won-Joon**
*see* Aldea, Corina-Maria, MT Feb. 00, p92-96

**Stalnaker, Judith J., P.E.**
*see* Mohamed, Osama A., MT Feb. 00, p26-32

**Stang, Henrik**
*see* Zhang, Jun, MT Feb. 00, p66-73

**Tadeu, António J. B.**
Shear Tests of Steel Plates Epoxy-Bonded to Concrete under Temperature, with Fernando J. F. G. Branco, MT Feb. 00, p74-80

**Tanaçan, Leyla**
Mechanical Properties of Fired Clay-Perlite as Composite Material, with Halit Yaşa Ersoy, MT Feb. 00, p55-59

**Tang, Hai C.**
Fatigue Model for Fiber-Reinforced Polymeric Composites, with Tinh Nguyen, Tze-jer Chuang, Joannie Chin, Jack Lesko and H. Felix Wu, MT May 00, p97-104

**Teramura, Satoshi**
New Building Material from Waste Concrete by Carbonation, with Norifumi Isu and Kenji Inagaki, MT Nov. 00, p288-293

**Tian, Bing**
Expansion of Alite Paste Caused by Gypsum Formation during Sulfate Attack, with Menashi D. Cohen, MT Feb. 00, p24-25

**Uchikawa, Hiroshi**
In Cement and Concrete Industry, MT Nov. 00, p320-329

**Udoeyo, Felix F.**
Mound Soil as Construction Material, with Alu O. Cassidy and Sulaiman Jajere, MT Aug. 00, p205-211

**Ulrich, P.**
*see* Gunaratne, M., MT Feb. 00, p46-54

**Vermaas, Garry W.**
*see* Barton, Scott Calabrese, MT Feb. 00, p33-38

**Wang, Jian-Neng**
Volumetric and Mechanical Performance Properties of Superpave Mixtures, with Thomas W. Kennedy and Robert B. McGennis, MT Aug. 00, p238-244

**Wang, Youjiang**
Concrete Reinforcement with Recycled Fibers, with H. C. Wu and Victor C. Li, MT Nov. 00, p314-319

**West, Alan C.**
*see* Barton, Scott Calabrese, MT Feb. 00, p33-38

**White, David J.**
Microstructure of Composite Material from High-Lime Fly Ash and RPET, MT Feb. 00, p60-65

**Wu, H.**
*see* Xiao, Y., MT May 00, p139-146

**Wu, H. C.**
*see* Wang, Youjiang, MT Nov. 00, p314-319

**Wu, H. Felix**
*see* Tang, Hai C., MT May 00, p97-104

**Xiao, Y.**
Compressive Behavior of Concrete Confined by Carbon Fiber Composite Jackets, with H. Wu, MT May 00, p139-146

**Yan, C.**
*see* Gupta, P., MT Feb. 00, p81-90

**Yasuda, Masahiro**
*see* Ishimoto, Hiroji, MT Nov. 00, p310-313

**Yazdani, Nur**
Effect of Pumping on Properties of Bridge Concrete, with Mike Bergin and Ghulam Majtaba, MT Aug. 00, p212-219

**Yousefi, A. A.**
Composite Asphalt Binders: Effect of Modified RPE on Asphalt, with A. Ait-Kadi and C. Roy, MT May 00, p113-123

**Zhang, Jun**
Experimental Study on Crack Bridging in FRC under Uniaxial Fatigue Tension, with Henrik Stang and Victor C. Li, MT Feb. 00, p66-73

**Zuber, B.**
Ice Formation Mechanisms in Normal and High-Performance Concrete Mixtures, with J. Marchand, A. Delagrave and J. P. Bournazel, MT Feb. 00, p16-23